

RECEIPT

PATENT

#5

OCT 29 2001
PATENT & TRADEMARK OFFICE
U.S. PATENT AND TRADEMARK OFFICE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION OF

Inventor(s): BOUDRIE et al.

Appln. No.: 09 | 945,657

Series Code ↑ | Serial No. ↑

Filed: September 5, 2001

ATTENTION: Office of Initial Patent Examination
Customer Service Center

Title: REVERSIBLE MIRRORED RESTORE OF AN ENTERPRISE LEVEL PRIMARY DISK

Date: October 29, 2001

Asst. Commissioner of Patents
Washington, D.C. 202031

Sir:

REQUEST FOR CORRECTED FILING RECEIPT

1. Attached is a copy of the official filing receipt from the PTO in the above application for which issuance of a corrected filing receipt is respectfully requested.
2. There is an error with respect to the following data which is

incorrectly entered
Error in

and/or

omitted

Correct data

1. Applicant's Name
2. Applicant's Address
3. Title
4. Filing Date
5. Serial Number
6. Foreign/PCT Application Re
7. Other

1.

2.

3.

4.

5.

6.

7. Non-Publication Request: - - YES - -

3. It is understood that the PTO no longer charges for correcting filing receipts even when the error is applicants' mistake, but if that is incorrect and a fee is due for this correction please charge our Deposit Account No. 03-3975 under Order No.23501/280212

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FEB 25 2002

Technology Center 2100

Pillsbury Winthrop LLP
Intellectual Property Group

1600 Tysons Boulevard
McLean, VA 22102
Tel: (703) 905-2000

Atty/Sec: ALM/sdm

By Atty: Anthony L. Miele

Reg. No. 34393

Sig:

Fax: (703) 905-2500
Tel: (703) 905-2146

(Attach Filing Receipt copy and PTO receipt PAT-103A)

FILE COPY

#5

**UNITED STATES PATENT AND TRADEMARK OFFICE**

COMMISSIONER FOR PATENTS
 UNITED STATES PATENT AND TRADEMARK OFFICE
 WASHINGTON, D.C. 20231
www.uspto.gov

**CONFIRMATION NO. 4556**

Bib Data Sheet

| | | | | |
|-----------------------------|-----------------------------------|--------------|------------------------|--|
| SERIAL NUMBER 09/945,657 | FILING DATE 09/05/2001 RULE | CLASS 711 | GROUP ART UNIT 2185 | ATTORNEY DOCKET NO. PW 280212 EMC- 00-069 |
|-----------------------------|-----------------------------------|--------------|------------------------|--|

APPLICANTS

Robert A. Boudrie, Ashland, MA;
 Thomas L. Dings, Hopkinton, MA;

**** CONTINUING DATA *********** FOREIGN APPLICATIONS *********IF REQUIRED, FOREIGN FILING LICENSE GRANTED**

** 10/05/2001

| | | | |
|---------------------------------|---|-----------------------|----------------------------|
| Foreign Priority claimed | <input type="checkbox"/> yes <input type="checkbox"/> no | | |
| 35 USC 119 (a-d) conditions met | <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance | | |
| Verified and Acknowledged | Examiner's Signature _____ Initials _____ | | |
| STATE OR COUNTRY MA | SHEETS DRAWING 6 | TOTAL CLAIMS 22 | INDEPENDENT CLAIMS 4 |

ADDRESS

Pillsbury Winthrop LLP
 Intellectual Property Group
 1600 Tysons Boulevard
 McLean ,VA 22102

TITLE

Reversible mirrored restore of an enterprise level primary disk

| | | |
|----------------------------|---|---|
| FILING FEE RECEIVED 826 | FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following: | <input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) <input type="checkbox"/> 1.18 Fees (Issue) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit |
|----------------------------|---|---|



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eff 2301

| APPLICATION NUMBER | FILING DATE | GRP ART UNIT | FIL FEE REC'D | ATTY.DOCKET.NO | DRAWINGS | TOT CLAIMS | IND CLAIMS |
|--------------------|-------------|--------------|---------------|-------------------------|----------|------------|------------|
| 09/945,657 | 09/05/2001 | 2185 | 826 | PW 280212 EMC-00-069 | 6 | 22 | 4 |

CONFIRMATION NO. 4556

FILING RECEIPT



OC000000006870075

Pillsbury Winthrop LLP
Intellectual Property Group
1600 Tysons Boulevard
McLean, VA 22102

Date Mailed: 10/09/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Robert A. Boudrie, Ashland, MA;
Thomas L. Dings, Hopkinton, MA;

Domestic Priority data as claimed by applicant

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Foreign Applications

Technology Center 2100

If Required, Foreign Filing License Granted 10/05/2001

Projected Publication Date: 03/06/2003

Non-Publication Request: No YES

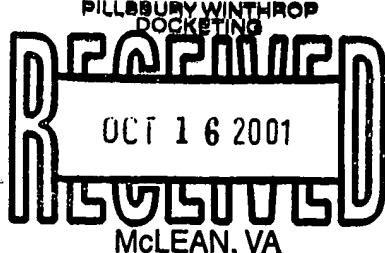
Early Publication Request: No

Title

Reversible mirrored restore of an enterprise level primary disk

Preliminary Class

711



OCT 29 2001
PATENT & TRADEMARK OFFICE

LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

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PAT-103 8/01 PTO RECEIPT FOR INDICATED ITEMS

Appln. No: 0 /

Atty ALM

Date 9/5/01

Inventor(s) BOUDRIE et al

C# 23501

Title: REVERSIBLE MIRRORED RESTORE..

M# 280212

ENCLOSED:

Amendment Appendix

Cover sheet

1 No. of Pages Abstract

16 No. of Pages Spec and Claims

22 No. of numbered Claims only

Declaration (2 #pgs)

Assignment Cover Sheet

No. of Priority Documents

6 No. Sheets Drawings (Fig(s) 1 to 4B) 1 set Form

IDS Letter cited Appl(s). Foreign sch repta./OA

PTO-1449 cited docs.

Nonpublication Request

\$ 826 Fee (Check)

Other:

CURRENT DUE DATE:



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OCT 29 2001
PATENT & TRADEMARK OFFICE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
REQUEST FOR FILING NATIONAL PATENT APPLICATION

Under 35 USC 111(a) and Rule 53(b)

Hon. Commissioner of Patents
Washington, D.C. 20231

WITH SIGNED DECLARATION

PATENT APPLICATION

NONPROVISIONAL
NON REISSUE
NON PCT NAT PHASE

Sir:

Herewith is the PATENT APPLICATION of
Inventor(s): BOUDRIE et al

Title REVERSIBLE MIRRORED RESTORE OF AN ENTERPRISE
LEVEL PRIMARY DISK

Atty. Dkt.: PW 280212 | EMC-00-069
M# | Client Ref

including:

Date: September 5, 2001

1. Specification: 16 pages (only spec. and claims) 2. Specification in non-English language
3. Declaration Original Facsimile/Copy Abstract 1 page(s); 22 numbered claims
4. Drawings: 6 sheet(s) informal; formal of size: A4 11"
5. See top first page re prior Provisional, National or International application(s). ("X" box only if info is there and do not complete corresponding item 5 or 6). (Prior M# _____ SN _____)

6. AMEND the specification please by inserting before the first line: -- This is a Continuation-in-Part
 Divisional Continuation Substitute Application (MPEP 201.09) of:

6(a) National Appln. No. _____ / filed _____ (M# _____)
6(b) International Appln. No. _____ filed _____

which designated the U.S., and that International Application was was not published under PCT Article 21(2) in English--

7. AMEND the specification by inserting before the first line: -- This application claims the benefit of U.S.
Provisional Application No. 60/_____, filed _____ . --

8. Attached is an assignment and cover sheet. Please return the recorded assignment to the undersigned.
9. Prior application is assigned to _____

by Assignment recorded _____ Reel _____ Frame _____

10. FOREIGN priority is claimed under 35 USC 119(a)-(d)/365(b) based on filing in _____

11. _____ (country)

| Application No. | Filing Date | Application No. | Filing Date |
|-----------------|-------------|--------------------------|--|
| (1) | | (2) | |
| (3) | | (4) | |
| (5) | | (6) | |
| (7) | | (8) | |
| (9) | | <input type="checkbox"/> | See 3 rd page for additional priorities |

12. _____ (No.) Certified copy (copies): attached; previously filed (date) _____
in U.S. Application No. _____ / filed on _____

13. Small entity status is not claimed; is claimed (Pre-filing confirmation required)

13(a). Attached: _____ (No.) Small Entity Statement(s) (since 9/8/00 small entity statement(s) not essential to make claim)

13(b) See NONPUBLICATION REQUEST under Rule 213(a) attached (PAT-258)

14. DOMESTIC/INTERNATIONAL priority is claimed under 35 USC 119(e)/120/365(c) based on the following provisional, nonprovisional and/or PCT international application(s):

| Application No. | Filing Date | Application No. | Filing Date |
|-----------------|-------------|-----------------|-------------|
| (1) | | (4) | |
| (2) | | (5) | |
| (3) | | (6) | |

15. This application is being filed under Rule 53(b)(2) since an inventor is named in the enclosed Declaration who was not named in the prior application.

16. Attached:

17. Preliminary Amendment:

THE FOLLOWING FILING FEE IS BASED ON CLAIMS AS FILED LESS ANY ABOVE CANCELLED

| | Large/Small Entity | Fee Code |
|---|------------------------------------|--------------|
| 18. Basic Filing Fee | \$710/\$355 | 101/201 |
| 19. Total Effective Claims 22 minus 20 = *2 | x \$18/\$9 = + 36 | 103/203 |
| 20. Independent Claims 4 minus 3 = *1 | x \$80/\$40 = + 80 | 102/202 |
| *If answer is zero or less, enter "0" | | |
| 21. If any proper multiple dependent claim (ignore improper) is present, add (Leave this line blank if this is a reissue application) | + \$270/\$135 | + 0 104/204 |
| 22. | TOTAL FILING FEE ENCLOSED = | \$826 |
| 23. If "non-English" box 2 is X'd, add Rule 17(k) processing fee | + \$130 | + 0 139 |
| 24. If "assignment" box 8 is X'd, add recording fee | + \$40 | + 0 581 |
| 25. <input type="checkbox"/> Attached is a Petition/Fee under Rule No. | + \$130 | + 0 122 |
| 26. | TOTAL FEE ENCLOSED = | \$826 |

Our Deposit Account No. 03-3975

Our Order No. 23501

280212

C#

M#

CHARGE STATEMENT: The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any missing or insufficient fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (missing or insufficient fee only) now or hereafter relative to this application and the resulting Official document under Rule 20, or credit any overpayment, to our Account/Order Nos. shown above for which purpose a duplicate copy of this sheet is attached.

This CHARGE STATEMENT does not authorize charge of the issue fee until/unless an issue fee transmittal form is filed.

Pillsbury Winthrop LLP
Intellectual Property Group

1600 Tysons Boulevard

By Atty: Anthony L. Miele

Reg. No. 34393

McLean, VA 22102
Tel: (703) 905-2000
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WV0s.c00

Sig: _____

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Tel: (703) 905-2146

PAT-102 (UTILITY APPLN.) 12/00

OCT 29 2001
PATENT & TRADEMARK OFFICE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION of:

Inventor(s): BOUDRIE et al.

Atty Dkt: 23501 / 280212
C# M#

Filed: Herewith

NOTE: Request will **NOT** be honored by PTO
if filed later than the application.
MUST be filed with the application initially.

Title: REVERSIBLE MIRRORED
RESTORE OF AN
ENTERPRISE LEVEL
RIMARY DISK

NONPUBLICATION REQUEST UNDER RULE 213(a)

The attached new application is **NOT TO BE PUBLISHED** under 35 U.S.C. §122(b).

I hereby certify that the invention disclosed in the attached new application has not been and
will not be the subject of an application filed in another country, or under a multilateral international
agreement, that requires publication at eighteen months after filing.

This request is signed in compliance with the provisions of Rule 33(b) by the signature(s) in
one of the three columns below.

Respectfully Submitted

Pillsbury Winthrop LLP

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FEB 25 2002

Technology Center 2100

Inventor(s)

Assignee(s) of Record Per
Enclosed Assignment

By Atty.: Anthony L. Miele

Reg. No.: 34393

Sig: _____

Assignee: _____

Name: Robert A. BOUDRIE

Date: _____

By _____

Sig: _____

Date: _____

Sig: _____

Name: _____

Tel.: (703) 905-2146

Name: Thomas L. DINGS

Title: _____

Fax: (703) 905-2500

Date: _____

Date: _____

Sig: _____

Assignee: _____

Name: _____

Date: _____

By _____

Name: _____

Title: _____

Date: _____